

**What is claimed is:**

1       1. A surface light source device, comprising:  
2           a light guide plate having an incident end face, an  
3           emitting face, at least one full-reflective  
4           face, and a plurality of light adjusters,  
5           wherein the full-reflective face reflects light  
6           onto the incident end face for direction to the  
7           emitting face and transmission through the light  
8           guide plate, the light adjusters disposed in the  
9           light guide plate with a density discontinuously  
10          varied in at least one area of the light guide  
11          plate to adjust the reflected light collection  
12          for emission from different areas of the  
13          emitting face to provide discontinuous light  
14          intensity; and  
15           a light source disposed in the vicinity of the  
16           incident end face of the light guide plate to  
17           provide light onto the incident end face of the  
18           light guide plate.

1       2. The device as claimed in claim 1, wherein the  
2       light adjusters are micro-reflectors.

1       3. The device as claimed in claim 1, wherein the  
2       light adjusters are diffusers.

1       4. The device as claimed in claim 1, wherein the  
2       light adjusters are micro-prisms.

1       5. The device as claimed in claim 1, wherein a  
2       reflective layer is disposed on the full-reflective face

3 corresponding contrarily to the area formed by the  
4 projection of the light adjusters parallel to the normal  
5 direction of the emitting face onto the full-reflective  
6 face.

1       6. The device as claimed in claim 5, wherein the  
2 reflective layer comprises metal.

1       7. The device as claimed in claim 6, wherein the  
2 reflective layer comprises silver or aluminum.

1       8. The device as claimed in claim 5, wherein the  
2 reflective layer comprises white non-metallic material.

1       9. The device as claimed in claim 8, wherein the  
2 reflective layer comprises magnesium oxide or titanium  
3 oxide.

1       10. A flat panel display, comprising:  
2           a display panel comprising at least two display areas  
3              of different light transmitivity; and  
4           a surface light source device comprising a light  
5              guide plate and a light source, wherein the  
6              light guide plate comprising an incident end  
7              face, an emitting face, at least one full-  
8              reflective face, and a plurality of light  
9              adjusters,  
10             wherein the full-reflective face completely  
11              reflects the light incident onto the  
12              incident end face for direction to the  
13              emitting face and transmission through the  
14              light guide plate, and the light adjusters

15                  are disposed in the light guide plate at  
16                  the location corresponding to the display  
17                  areas of the display panel, with a density  
18                  discontinuously varied in at least one area  
19                  of the light guide plate to adjust the  
20                  reflected light collection for emission  
21                  from the different areas of the emitting  
22                  face, such that brightness of one side  
23                  field of view is uniform, and  
24                  the light source is disposed in the vicinity of  
25                  the incident end face of the light guide  
26                  plate to provide light for onto the  
27                  incident end face of the light guide plate.

1                  11. The flat panel display as claimed in claim 10,  
2                  wherein the display panel comprises at least one semi-  
3                  transmissive area and at least one transmissive area, the  
4                  semi-transmissive area comprising one more semi-reflective  
5                  layer than the transmissive area.

1                  12. The flat panel display as claimed in claim 10,  
2                  wherein the display panel comprises at least one semi-  
3                  transmissive area and at least one reflective area,  
4                  wherein the semi-transmissive area has a semi-reflective  
5                  layer and the reflective area has a reflective layer.

1                  13. The flat panel display as claimed in claim 10,  
2                  wherein the light adjusters are micro-reflectors.

1                  14. The flat panel display as claimed in claim 10,  
2                  wherein the light adjusters are diffusers.

1        15. The flat panel display as claimed in claim 10,  
2 wherein the light adjusters are micro-prisms.

1        16. The flat panel display as claimed in claim 10,  
2 wherein a reflective layer is disposed on the full-  
3 reflective face corresponding contrarily to the area  
4 formed by the projection of the light adjusters parallel  
5 to the normal direction of the emitting face onto the  
6 full-reflective face.

1        17. The flat panel display as claimed in claim 16,  
2 wherein the reflective layer comprises metal.

1        18. The flat panel display as claimed in claim 17,  
2 wherein the reflective layer comprises silver or aluminum.

1        19. The flat panel display as claimed in claim 16,  
2 wherein the reflective layer comprises white non-metallic  
3 material.

1        20. The flat panel display as claimed in claim 19,  
2 wherein the reflective layer comprises magnesium oxide or  
3 titanium oxide.